

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 3103**

Roll No.

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**B.Tech.****(SEMESTER-II) THEORY EXAMINATION, 2011-12****ENVIRONMENT & ECOLOGY****Time : 2 Hours ]****[ Total Marks : 50****Note :** Attempt all question as directed.**Section – A**

1. Attempt all questions which are compulsory. **5 × 2 = 10**
- (a) What is “Environment” ? How can you say that it constitutes a “life supporting system” ?
- (b) Enumerate the services provided by a healthy ecosystem.
- (c) What do you understand by a “Natural Resource” ? What are its kinds ?
- (d) Give a brief account of non-fuel minerals resources of India.
- (e) What are the conventional sources of energy for the humanity ?

**Section – B**

2. Attempt any **three** of the following : **3 × 5 = 15**
- (a) What are the major causes of deforestation ? Discuss its consequences.
- (b) What is biogas production ? Explain the anaerobic digestion process.
- (c) What do you understand by conventional and non-conventional energy sources ?
- (d) Enumerate major categories of pollution of environment. What is their general fate ?
- (e) What do you understand by accelerated urbanization ? Discuss its consequences.

### Section – C

3. Attempt any **five** questions :

**5 × 5 = 25**

- (a) Discuss the climatic change and global warming. Also describe some control measures.
  - (b) What are the causes of ozone layer depletion ? Explain its consequences.
  - (c) How and why we can say that the hydrogen as an alternative future source of energy ?
  - (d) Use of toxic chemical and radioactive material has added a new public health challenge ? Discuss.
  - (e) What are acid rains ? Discuss their causes, consequences and control measures.
  - (f) What do you understand by sustainable development ? Trace the emergence of global concern for sustainable development.
  - (g) Write short notes on any **two** of the following :
    - (i) Animal Husbandry.
    - (ii) Water borne diseases
    - (iii) Economic & Social security.
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